

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: ITBU215-Z0423132059

Truss Fabricator: W.B. Howland
Job Identification: 4995F-/BROOKS /North Florida Framers -- , FL
Truss Count: 4
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.38.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - N/A
Floor - 55.0 PSF @ 1.00 Duration
Wind - No Wind

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: -

#	Ref	Description	Drawing#	Date
1	15216--F1		07296009	10/23/07
2	15217--F2		07296012	10/23/07
3	15218--F3		07296010	10/23/07
4	15219--F4		07296011	10/23/07



Seal Date: 10/23/2007

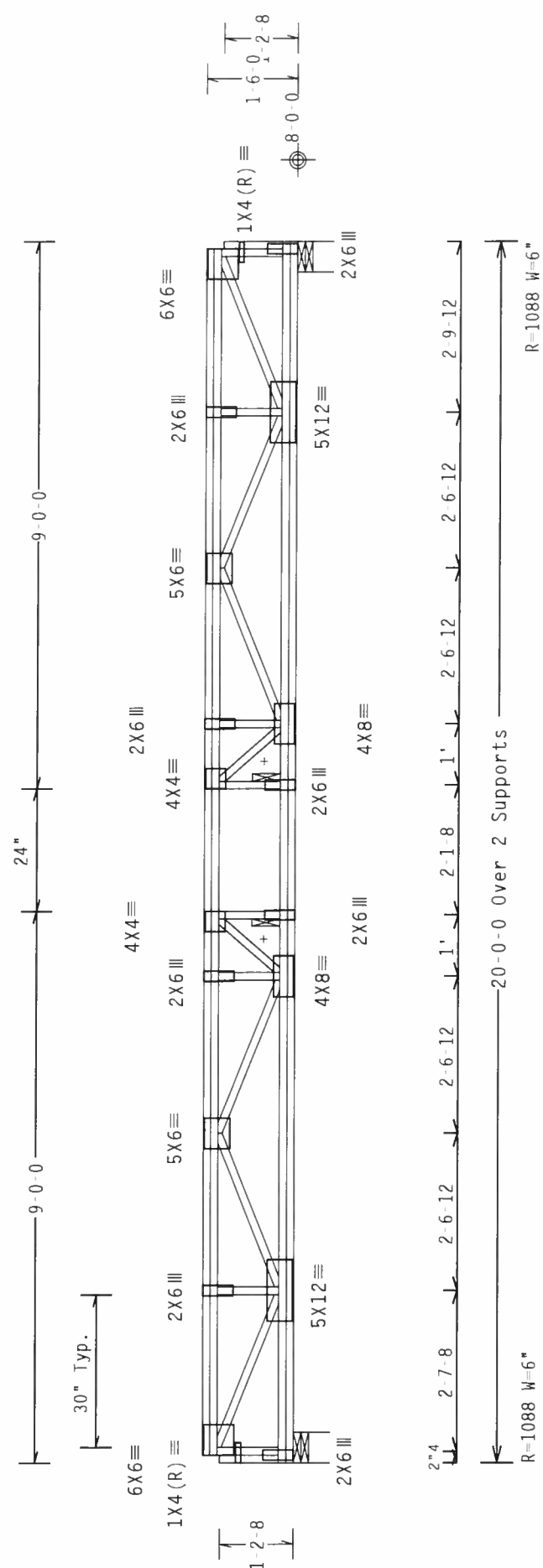
-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844



	Top	chord	4x2	SP	#2	N
	Bot	chord	4x2	SP	#2	N
		webs	4x2	SP	#2	N

+ 2x6 continuous strongback. See ANSI/TPI 1-02 Sect. 7.5.
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 16'-0".

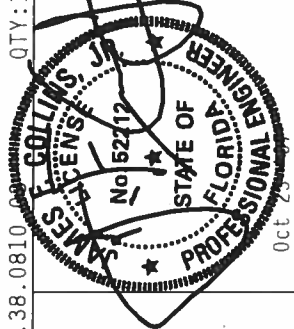
Truss must be installed as shown with top chord up.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.10(1.25)/1.0
$$\text{Scale} = .375"/\text{Ft.}$$

TC LL	40.0	PSF	REF	R215 -	15216
TC DL	10.0	PSF	DATE	10/23/07	
BC DL	5.0	PSF	DRW	HCUSR215	07296009
BC LL	0.0	PSF	HC-ENG	SSB/AP	
TOT.LD.	55.0	PSF	SEQN-	204300	
DUR.FAC.	1.00		FROM	CDM	
SPACING	24.0"		JREF-	1TBU215	Z04



Oct 23

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID BRACING.

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

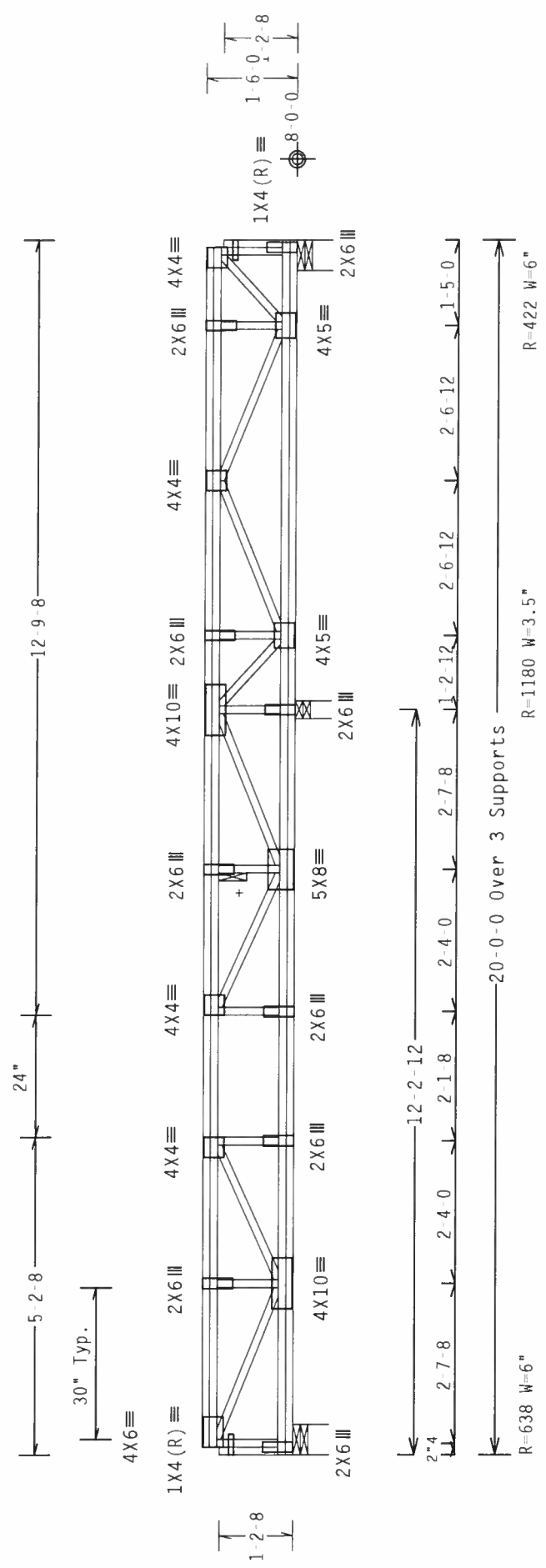
DESIGN CONDITIONS HAS APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. CONNECTOR PLATES ARE MADE OF 2010/1606 (H 115/53) ASTM A653 GRADE 40/60 (H, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMENX AS OF 1911 2009 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER AMENX/PTI 1 SEC. 2.

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Top chord 4x2 SP #2 N
Bot chord 4x2 SP #2 N
Webs 4x2 SP #2 N

+ 2x6 continuous strongback. See ANSI/TPI 1-02 Sect. 7.5.
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 1-6-0.

Truss must be installed as shown with top chord up.



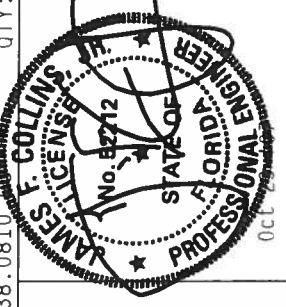
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.10(1.25)/0(0)

PLT TYP., Wave

QTY:1	FL/-/5/-/R/-	Scale = .375"/Ft.
TC LL	40.0 PSF	REF R215 - 15217
TC DL	10.0 PSF	DATE 10/23/07
BC DL	5.0 PSF	DRW HCUSR215 07296012
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	55.0 PSF	SEQN- 204303
DUR.FAC.	1.00	FROM CDM
SPACING	24.0"	JREF 1TB0215 Z04

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT ORIGINALLY DESIGNED AND THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (4, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT ORIGINALLY DESIGNED AND THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ALPINE

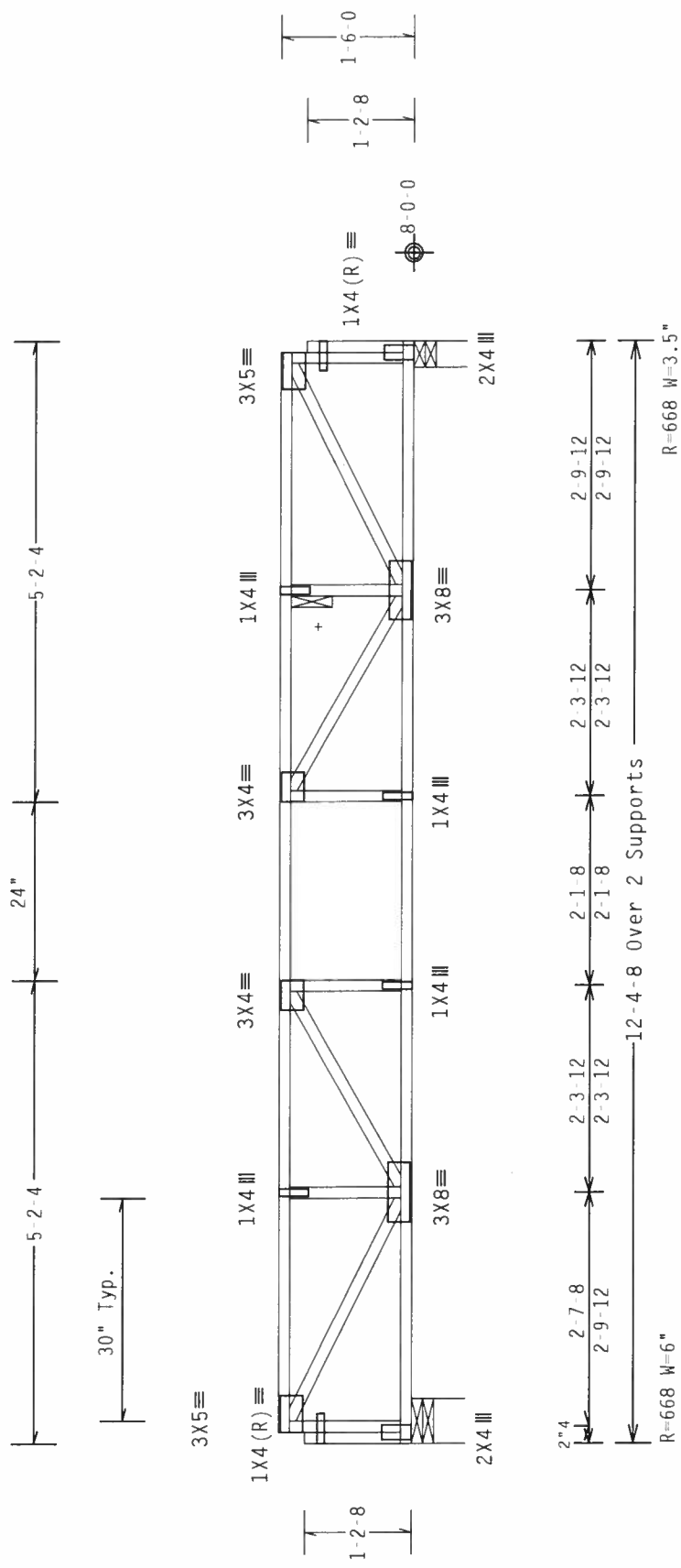
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+ 2x6 continuous strongback. See ANSI/TPI 1-02 Sect. 7.5.

Deflection meets L/360 live and L/240 total load.

Truss must be installed as shown with top chord up.

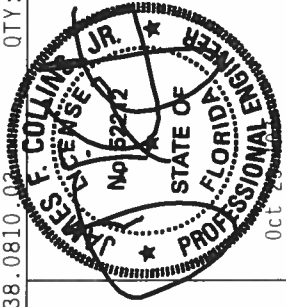
The overall height of this truss excluding overhang is 1-6-0.



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/- Scale = .5"/Ft.

TC LL	40.0	PSF	REF	R215 -	15218
TC DL	10.0	PSF	DATE	10/23/07	
BC DL	5.0	PSF	DRW	HCUSR215	07296010
BC LL	0.0	PSF	HC-ENG	SSB/AP	
TOT.LD.	55.0	PSF	SEON-	204306	
DUR.FAC.	1.00		FROM	CDM	
SPACING	24.0"		JREF	1TBU215	Z04



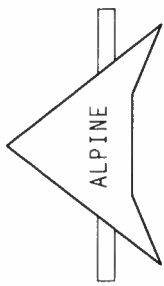
*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (BUILDING CONSTRUCTION INFORMATION) AND PUBLISHED TRUSS COMPANY INFORMATION. 2100 NORTH LIFE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHANGING.

****IMPORTANT**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FROM THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR OBTAINING PERMITS OR INSURING THE TRUSS IN CONFORMANCE WITH THE CITY OF CHICAGO ORDINANCES AND THE ILLINOIS BUILDING CODES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC., BY AIA/AI) AND TPI. THE TRUSS IS TO BE FABRICATED, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 2018/16GA .4MM/55%K ALUM A663 GRADE 40/60 (A / K/H-55) GALV. STEEL. APPLY TWO PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITIONED PER DRAWINGS 160A Z. ANY DIMENSION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3.

TRUSS INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SUPERVISORY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI-2002 SEC. 2.



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(4995F-/BR00KS /North Florida Framers --, FL - F4)

Top chord 4x2 SP #2 N
Bot chord 4x2 SP #2 N
Webs 4x2 SP #2 N

Truss must be installed as shown with top chord up.

Fasten rated sheathing to one face of this frame.

Deflection meets L/360 live and L/240 total load.

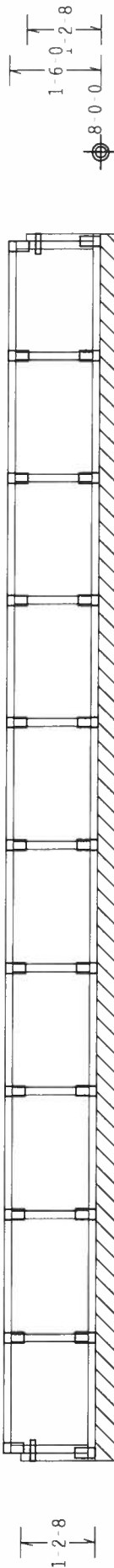
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 200 PLF at 0.13 to 200 PLF at 19.88
BC - From 5 PLF at 0.00 to 5 PLF at 20.00

1X4 (R) ≡

1X4 (R) ≡



2" 4

19'-7-8"

2" 4

20'-0-0 Over Continuous Support

R=202 PLF W=20-0-0

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.10(1.25)/0(0)

7.38.0810

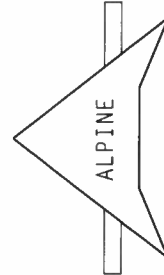
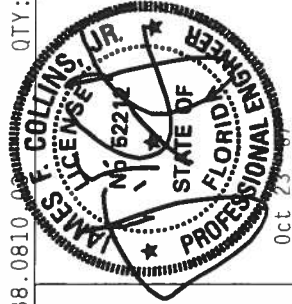
QTY:1 FL/-/5/-/R/-

Scale = .375"/Ft.

PLT TYP., Wave

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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 1TH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING SPEC. BY AEP/A) AND TPI. 1TH BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD) AND TPI. 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/55/K) ASTM A653 GRADE 40/60 (N, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI: 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN HEREIN. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/11 SEC. 2.



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TC LL	40.0 PSF	REF	R215--	15219
TC DL	10.0 PSF	DATE	10/23/07	
BC DL	5.0 PSF	DRW	HCUSR215	07296011
BC LL	0.0 PSF	HC-ENG	SSB/AP	
TOT.LD.	55.0 PSF	SEQN-	204297	
DUR.FAC.	1.00	FROM	CDM	
SPACING	SEE ABOVE	JREF	1TB0215_Z04	